

IMPROVE YOUR RACECRAFT 2-26-18

Hour	Minute	Second	Name	Message
0	7	41	Warren White	Let's do this
0	10	52	Lainey Landstra	do you do that in the car?
0	13	14	Scott Rosen	what about dragging your brakes?
0	13	30	Erin	Hi Ross. You may get to this but I figure I'll ask anyway! I've gotten used to spending some quiet time on a race weekend to get my mindset right, but this last event we spent almost all our downtime going over data. I had a harder time getting into the mindset for my races. How do you suggest balancing these two very important aspects of a race weekend?
0	14	27	Richard	How do you make sure you don't get hit from behind when doing hard braking on warmup laps?
0	14	33	Rich	yes but i have nearly hit guys many times so people behind, do it carefully!
0	15	3	Robert Sachs	Question: what about dragging brakes while on throttle to heat the brakes?
0	15	22	Guangming	Scott Rosen, I left foot drag the brake on out lap at DE to get the brake up to temp faster and it works.
0	15	48	Scott Rosen	Hey Chris....which chris?
0	16	18	Scott Rosen	it's what I do, dragging brakes, vs. hard accelerations due to track space
0	16	36	Chris	Sullivan. The one who's taillights you'll be looking at all year :)
0	17	22	Hank	What if you are in a spec class where everyone has the same motor and transmission? What gear to use on the start then?
0	17	57	Brandon	When leaving 1 lane of space next to you, does that include or exclude the curbing (if there is curbing)?
0	18	29	Scott Rosen	yes, surging with hard braking
0	18	30	Bill	moving over to get on the racing line?
0	18	51	mahaveer raghu	Hello Ross. How to know where to find the brake point for turn1 for the first lap since some people brake too early loose positions some brake too late and crash
0	19	41	Karl Seeger	Competitive aggressive
0	19	55	Greg	or you can pull a Vettel and drive up next to your competitor steer into them :-D
0	21	54	kasra	I find maintaining hard to do sometimes, lots of hard racing going on around me
0	24	17	Rebecca Harvey	in once race last summer I slightly jumped the start but the Steward said that I gained no advantage before the flag
0	24	45	Robin	Bill, is your question referring to something specific Ross said?
0	25	5	Lainey Landstra	What about Patience at the Start? You can't win the race on the first turn!
0	25	5	Stephen	How about dragging brakes with throttle anticipating the start?
0	25	10	Bill	when he was moving over at the start in the video
0	25	10	Mark	mind the gap?

0	25	40	Chris	paul Tracy's number for while.... he was always good on starts and cold tires
0	25	43	Bill	was it to intimidate or better position
0	25	56	Karl Seeger	LOOK FOR THE HOLE, ALWAYS!!!!
0	26	24	Chris	been there :/
0	26	42	Rebecca Harvey	NHMS
0	27	22	Robin	Okay, thanks, Bill. I've made a note of it.
0	28	1	ROBERT ARMINGT	situational awareness
0	30	35	Guillaume	Ross, I like when you refer things from your books.
0	31	35	Matt	Can you provide some tips to 'practice awareness'?
0	34	35	Peter Carroll	Much safer if you have a parabolic mirror
0	34	38	Karl Seeger	A good pas should not only show you own the corner but also takes away their line
0	35	28	Gary	Vintage racing: Lead cAR owns corner. Overtaking car must make clean pass.
0	36	1	Peter Carroll	Beware blind spots
0	36	24	Chris	LOL at THAT kind argument
0	36	43	Karl Seeger	Presentation IS key...
0	37	5	Hank	Is there an actual written rule that is written anywhere about who controls a corne? Like how much overlap is required in order to "own" the corner?
0	37	13	Chris	each club varies and pro racing varies corner to corner... he is speaking generally
0	37	37	Paul	Nico Rosberg'd it...
0	37	40	Chris	yes, literally written, sometimes even with diagrams
0	37	44	tom kerr	each race body has written passing rules
0	37	45	Karl Seeger	True, your GCR will spell it out'
0	40	47	Mark@AMT Moto	BE close enough to reach out and fold the guys' mirror in!
0	41	7	Chris	picture the typical triangle blindspot diagram to go with that
0	41	19	ROBERT ARMINGT	scca - lead car owns corner .. overtaking car is responsible for safe passing without contact .. it sucks but i've been hit with a point on license .
0	41	19	kasra	thank you.
0	41	39	Guillaume	What about a temptation corner like turn 8 at Calabogie. Let's say i'm in a battle for a spot and I reach the point where the pass is made, but the guy is a keeper and don't leave anyroom for me inside. In a normal corner with constant radius, it would be ok. But then in a progressive radius where it gets thighter and thighter, the guy outside should know if he decide to leave no room, then a crash is inevitable. Because of the radius is decreasing, the guy outside should have leave some room, then both of us are exiting the corner and continue playing for a spot... instead both of us crashh... Who got the wrong decisions ?
0	41	51	tom kerr	hey Lainey!!
0	42	5	kasra	Ross, when do you look into your mirrors when setting up a pass but making sure you're clear if you're in a slower car in multi class racing?

0	42	42	Tim	full head restraint bucket seats and HANS are great for safety and even better for blind spots. Makes presenting even more critical. Right beside if you can.
0	43	34	Bruce	Great tip on staying close to the car being passed on turn in.
0	43	36	Guillaume	FF1600 CANADA
0	44	23	Chris	the best trick is doing that without opening self to be passed
0	44	29	Tim	Close also makes you more likely to be seen
0	45	34	Chris	likely the number one key to working traffic right there
0	45	47	Karl Seeger	Understand "timing" your pass
0	46	31	tom kerr	late apex
0	47	10	Chris	Also another way to get a better run on someone that would be holding you up at apex anyways
0	47	57	Paul	Over Under
0	48	7	Tim	@Guillaume - Decreasing radius does not change the rule to leave racing room, just makes it more challenging. I assume there is still room for two cars in the corner.
0	50	23	Karl Seeger	execute
0	50	35	Bruce	of course, in lemons, when you stay close to the car you are passing, some nut will squeeze three wide and dive the apex....
0	50	53	Mark	It's better to be wrong than undecided
0	51	5	Art	How do you pass the erratic or unpredictable driver who is all over the track?
0	51	5	Chris	or if you don't stay close, someone will drive in between
0	51	21	Chris	Art, bump and run :D
0	51	49	Lyn	How should you set up a pass on a car that is taking a defensive line on entry
0	51	51	Art	:D right!
0	51	58	May	indecision in open-wheel will put you on a tow-hook!
0	52	54	Gama Aguilar	iracing for practice
0	53	4	Tim	Take a better line and pass them at the exit or the next straight if they are defending on entry
0	53	22	ROBERT ARMINGT	daytona is a place like this
0	53	48	edgar ramon	iracing is worse than lemons especially in the lower classes
0	53	55	Karl Seeger	Let them be defencive, timing pass them on exit
0	54	18	Chris	Great stuff! Thank you Ross for bring this up. Being passed well is just or more important as passing well!
0	54	46	Gama Aguilar	it can be but i think its great overall for practicing these types of skills vs only mental.
0	55	12	Chris	One of my AER drivers refused to understand this... It took a whole event to pound this into his head lol
0	55	14	Guillaume	@Tim https://www.facebook.com/CMVMonoplaceMotorsport/videos/37996869959710/
0	55	24	Kevin	Do you then square off in that case as well.
0	55	27	edgar ramon	agreed, just wish penalties were harder for down right bad driving
0	55	30	Lainey Landstra	Then tuck in behind

0	55	39	Lainey Landstra	get him on the next turn
0	55	58	Chris	Kevin, you certainly can because that car that just passed you might check you up at the apex otherwise
0	56	10	Paul	Sometimes sitting being is great to learn where you are faster and slower and set them up...
0	56	39	ROBERT ARMINGT	did you just show us how to lose a position going into a corner ?
0	56	49	Chris	The only bad driver is one that won't learn
0	57	16	Lainey Landstra	what about DEFENDING your position?
0	57	24	Chris	yes Robert.
0	57	25	Paul	critical to learn how to be passed in multi class
0	57	37	Chris	Lainey, by passing the car in front :p
0	57	42	ROBERT ARMINGT	how about we move to left and take the inside line and make green car figure out what to do ?
0	57	50	Chris	this is Chris Rallo btw... HI!
0	57	51	edgar ramon	defending your position is blocking. don't do it!
0	57	58	Chris	not ture edgar'
0	58	14	Mike H	@Guillaume - Seems to me the other driver had the corner and the camera car should have backed out of it.
0	58	34	Scott Rosen	be quiet Rallo...let the master talk! ;)
0	58	39	Robert	THE Yellow car is a DNF
0	58	39	Jeff Mckague	Hey Chris!
0	58	40	Kevin	DNF for the yellow car
0	58	45	Chris	no, not the #3!!
0	58	51	Lainey Landstra	Hey Chris
0	58	52	Karl Seeger	When you are the fast car in a multi class it's also good to be courteous to slower cars, not to wreck their race
0	59	1	Larry	Hey Scott Hey Chris, its Larry Marks
0	59	1	Pete	Is that a mechanical DNF?
0	59	13	Karl Seeger	They will RETURN the favor
0	59	18	Peter Carroll	If you are being lapped by a faster class, do not defend. You are slowing yourself down
0	59	33	Paul	Meatball flag for the yellow 3 car...
1	0	26	Larry	Good deal Chris!
1	0	35	Pete	Hi Karl!
1	0	54	Lainey Landstra	what about making your car "wide"?
1	2	50	Greg	amen
1	2	51	Chris	I'll drink to that!
1	2	53	Art	Vettel and Hamilton vs. Gurney and Clark.
1	2	59	Lisa	great point!
1	3	3	Michael	listening Max?
1	3	17	Brian	haha verstappen! shots fired
1	3	24	Jeff Mckague	if you are on the inside, don't turn in at the same point if you were on the outside line. turn in when it makes your line the best and hold the outside car to a later turn in. Then you are really controlling the corner.
1	3	26	May	At COTA, squaring a corner will put you in the marbles!
1	4	33	Lainey Landstra	what did you mean "clear behind"

1	4	34	Chris	Great and missed point Jeff!
1	4	43	Karl Seeger	Next car is tough when no one is in front of you...
1	4	58	Pete	haha
1	5	29	Chris	Literally clear Lainey. No car close enough to worry about
1	5	34	Karl Seeger	...don't f#@! up...
1	6	29	Lainey Landstra	thanks
1	6	32	ROBERT ARMINGT	situational awareness ...
				You mentioned that right before the start you give the driver next to some room. Why and how not to let this be a gap for the driver behind you
1	6	47	Robert Sachs	
1	7	20	Lainey Landstra	yu[
1	7	25	Lainey Landstra	yup
1	7	30	Lisa	yes sir
1	7	50	Pete	Absolutely!
1	8	28	Peter Carroll	Race strategy: Run away! Run away!
1	9	5	Karl Seeger	when I go to the front I chant "Run away, run away"...
1	9	19	Robert Sachs	He'll let slip the Canadian long "oot".
1	9	26	Ron	Run Forrest, Run
				regarding managing and passing traffic... I crack myself up in the car saying/thinking, "If it fits, it ships!"
1	10	1	Chris	
1	10	8	Matt	Ross, if we all throw dollar bills, will you lose the shirt ?!!
1	10	15	Kim	https://yousuckatracing.wordpress.com/
1	10	30	Robert Sachs	Share a "piece of ass fault"? Huh?
1	10	53	edgar ramon	lol thats what i heard
1	11	1	Rich	Gui, why can't you get the guy going up the hill towards 9a
1	11	36	Bruce	inside pass on an on-ramp to the highway. good idea for practice.
				Consider the risk before you sit in the right seat and instruct a novice
1	11	41	May	
1	11	41	Paul	even iRacing is great for practicing racecraft
				@Guillaume - I agree with Mike. I don't believe any steward would side with the passing car in your video. Either the outside car wins because of how far back the passing car is at contact or maybe a racing incident because of the earlier side by side.
1	11	44	Tim	
1	12	29	Guillaume	steward call RACE INCIDENT
				how do you handle a bully you are racing with. Someone you are going to run with for many laps
1	13	11	Robin	
1	13	39	Mike H	You've got to complete the pass. Close enough doesn't count.
1	14	37	Bruce	I want to be on Ross's Lemons team....
1	15	1	Peter Carroll	Bully? Don't react. Don't get mad. No emotion. Be mechanical.
				How do you think of other cars as objects and "track conditions" but also think that they're feeling nervous or shaken and you're going to take advantage of that?
1	15	14	Ann	
1	15	15	Lainey Landstra	Right Pete
1	15	23	Matt	He's driven with us on two WRL races - really classy guy
				Who else "practices" with shopping carts while at Costco?
1	15	29	Robert Sachs	Apexing late into an aisle?

1	15	46	Pete	Always!
1	15	53	Bruce	Anyone else drift shopping carts in the super market?
1	16	0	Chris	Ann, that was more lapped traffic than in class competition
1	16	5	Rich	Can anyone send me money so I can go practise this stuff
1	16	10	Chris	Yes Bruce, every time.
1	16	12	Paul	I prefer formula drifting my shopping carts too
1	16	21	Brett	@Bruce Cracks the wife up every time
1	16	24	Robert Sachs	Same while walking in crowds, especially in places like Disneyland
1	16	33	Chris	bench racing ftw
1	16	36	Paul	who makes screeching tires sounds too though?
1	16	44	May	Did these things at in-door go karting and won a championship. Now gotta do it on a track.
1	16	47	Christina	apex through the cube farm...
1	17	28	Chris	1st
1	17	33	Robert Sachs	Shifting sounds. But the redline depends on the type of cart. The old school heavy ones have low rev limit...
1	17	38	Karl Seeger	In front
1	17	46	Pete	Pole baby!
1	17	51	Peter Carroll	I will have to imagine more money...
1	17	53	Robert	IT also tells you how much I spent on my race car
1	18	8	Lainey Landstra	thanks
1	18	15	Daniel Freeman	What should I do if entering a corner knowing a few faster cars will be passing me and I will be forced off line?
1	18	17	Bruce	after the drift, when you enter the straight (i.e., the food aisle), you can then get some speed and jump on the car. prize winning finish!
1	18	18	Paul	Thank you!
1	18	31	Brian	Is it true, that if you aren't first, you're last?
1	18	44	Pete	Oh yeah!
1	18	55	Bruce	You know, I was high when I said that (-Ricky Bobby's father)
1	19	12	Willis	Can you discuss passing in a chicane ?
1	19	13	Daniel Freeman	What should I do if going into a corner and I know I will be forced off line with faster cars passing me?
1	19	45	mahaveer raghunath	Amazing webinar Ross. Also when you going into the corner just in tail of car in front how to know where to brake? Since some times we have this scnerio
1	19	51	Pete	Hi Robin.
1	20	2	Bruce	Great webinar. Lots of excellent advice.
1	20	7	Lainey Landstra	GREAT QUESTION
1	20	43	Chris	Since I don't know what I don't know... Throw us a top secret special nugget.
1	21	46	Roe Cole	Great webinar Ross, thank you very much!
1	22	17	Chris	start small and gentle to communicate what you're doing
1	22	23	Mary Zeitner	Looking forward to the video. My brain is on overload!

1	22	26	Greg	if you are 50% alongside someone on the inside going into a corner, and they turn in on you anyway, at what point are you justified in letting them get bumped out rather than taking evasive action? I know you sort of answered this earlier by saying to be MORE than 50% alongside. Thanks!
1	22	29	Anson	What are some good ways to memorize brake markers when there are no visual cues or when your usual cues are blocked by a car?
1	23	1	Shaun	Hi Erin - it's Shaun here :-)
1	23	20	Brian	1st or last!
1	24	7	Hank	my question about a spec class was referring to starting strategy in a spec class.
1	24	27	Chris	tips to keep rhythm as needed pace changes during an enduro?
1	24	36	Bruce	what gear: not reverse.
1	24	41	Karl	In the CART video at Laguna Seca, the passing car carried so much speed to make the pass going into the corner, he could not stay within track limits and make the corner exit. Still, he won the race and the pass was not ruled illegal. Have you ever seen a pass like that overturned by race official ruling?
1	25	9	Greg	Karl, Verstappen on Raikkonen at COTA last year comes to mind!
1	25	22	Greg	I couldn't believe that CART overtake was legal either
1	25	44	salil	Tips for controlling/harnessing the adrenaline at the start?
1	26	6	Karl	I was working as a marshall at turn 14 with a bunch from the Netherlands. You can imagine the reaction....
1	26	43	Greg	lol, that's awesome
1	26	51	Brian	Fernanco cut around the chicane at Barcelona today to get ahead of the Toro Rosso (Honda power), stewards didn't allow the lap time, even in testing!
1	27	9	Brian	Fernando Alonso that is
1	27	12	Pete	Wow!
1	27	14	Art	Watch the red blocks inside the curbs at Laguna Seca. They will kill your suspension.
1	27	21	Michael	Is "brake checking" your slightly faster competitor on the last corner something you should consider doing?
1	27	34	May	As starter, I would have waved off that start. Stupid move really
1	28	35	May	Good question on Turn 1
1	33	19	Chris	Robert. you beat me to it
1	33	28	Tim	Ross, Do you change your overall race strategy in terms of pushing depending on factors like competition, tire life, handling changes etc. ie. going 11/10ths on cold tires trying to gap the field vs. a little more patient game.
1	33	33	Robert Sachs	see you on track Chris :)
1	33	47	Stephen	Tips about restarts?
1	34	14	Kevin	same mirror setup on the street
1	35	13	Hank	If your car only has 2 side mirrors and no center rearview mirror, don't I need to set the mirrors so I can see directly behind me?
1	36	32	Kevin	nah, that's in the past, you're leaving those guys in the dust :)

1	37	4	Chris	Yes Hank. If you have something like a Lotus with and engine or intercooler in the way, get a rear view camera.
1	37	9	Lyn	Hank, guy can't pass you if he is directly behind!
1	37	40	Chris	Agreed Lyn, but you can lose a car that then car surprise you later
1	38	7	Chris	AER is running Calabogie this year!!! Looking forward to it
1	39	38	Lyn	Chris, you're right, a car can hide directly behind you down a straight, but still has to pop out to pass. Having a radio and getting spots from your crew also helps.
1	40	48	Ed	how many mental/word triggers do you have/use per race?
1	42	23	ROBERT ARMINGT	its a great tactic
1	42	44	Chris	being erratic to throw someone else off?
1	44	54	ROBERT ARMINGT	the over under trick
1	44	59	Chris	yes he did. it was about being passed
1	45	55	Lyn	Great answer on defensive line pass Ross!
1	50	17	Stephen	Push the bully up to the next group of cars and sit back and watch the fun.
1	51	26	Lyn	Usually the racing gods are quick to reel in a bully
1	53	15	David	Fantastic!
1	54	7	Matt	Robin, can you just at least put your hand out and wave to us on the edge of camera ?!!
1	54	24	jeff wasilko	Ross: any tips for passing and staying by a car that is much faster in a straight line, but much slower in a corner? I spent half a sprint race behind a car like that and couldn't make a pass stick for more than 1/2 lap before getting re-passed on the next straight.
1	54	32	Guillaume	smart and wise save most of the sloppy situation. But what would be the three best attributes a driver should have when fighting for the higher spot on the podium ?
1	55	22	Gary	slow car on a slow track. cant pass on straight but braking zone is so short. how do I pass under braking w/o too high risk? high
1	55	41	Anson	How can you take advantage of backmarkers to increase your lead?
1	56	25	Maria	@jeff. i have that fast car i just cant do turns yet! frustrating for all
1	57	14	Shaad	What is generally proper etiquette or procedure when you have the run on slower car and can easily make the pass, but a faster car can possibly take the ownership of the corner from you? Do you back down? hold and potentially cut off the faster car?
1	58	21	Michael	I think the question was more about how much earlier to brake to avoid hitting the car in front?
1	58	35	jeff wasilko	Ross: could you talk about what you think about when you're leading a sprint race and encounter lots of lapped traffic?
1	58	42	Karl Seeger	I run a very fast car in my group, I tell slower cars to hold there line, it's my problem to get around you
1	59	9	Karl Seeger	If you are unpredictable I can't make a "save" pass
1	59	15	Chris	any side drafting advice?

1	59	21	Cherie	What is the best move if you get caught in the middle of three wide going into the first corner after a start/restart?
2	1	1	Lyn	Cherie, take both hands off steering wheel and pray
2	1	29	ROBERT ARMINGT	i run open wheel cars ,, no bumping needed
2	1	43	Randal Bryant	Thanks for answering my question. Hope the answer was heard by the intended audience member. ha ha
2	1	45	Cherie	Lyn, Jesus take the wheel is not an option
2	1	51	Michael	don't be the meat in the sandwich.
2	2	10	Greg	thanks Ross!
2	2	16	Pete	Where is the link to the video with passing mentioned earlier in the webinar located?
2	2	49	Jeff Mckague	Thanks Ross!
2	2	53	Chris	In one of the emails he sent.
2	3	0	mahaveer raghunad	thankyou ross
2	3	28	Pete	Dang, I looked at the emails.
2	3	30	Lyn	Cherie, you're right, but Michael has good advice, don't get caught in that position to begin with. You'll have to back out a little and tuck behind the inside car.
2	3	48	Peter Carroll	If you focus on the end of braking, your brain will figure out the start.
2	3	50	Cherie	Michael, that is usually where the gap is, but sometimes you get stuck there... I'm looking for good options to get out and not lose time
2	4	13	Robin	Pete, do you mean Ross's videos he sent or the one Guillaume linked?
2	4	28	Robin	Oh, you answered it, I think!
2	4	34	Chris	Email was titled Racecraft webinar Prep
2	4	35	Pete	Ross's video.
2	4	41	Chris	https://speedsecrets.wistia.com/medias/gfazqkru8a
2	4	43	Antonino	thanks Ross
2	5	54	Pete	Thank you!
2	6	30	Robin	Matt, when I have no more questions to write out, I'll see what I can do!
2	7	11	Tim	In the pre-work video - Did Bryan Herta protest Zanardi driving off the track/cutting the corkscrew to make the pass? How did it go?
2	7	24	Larry	Ross, any advice for standing starts?
2	8	8	Chris	Larry, use second gear! :p
2	8	13	Pete	If I remember correctly he got the pass.
2	8	37	Karl Seeger	He made thepass, just ran out of track
2	8	40	LarryI was thinking of skipping to 5th.....;)
2	9	29	Chris	brake checking results in getting bumped and dumped...
2	9	38	Pete	Brake checking is horrible.
2	10	7	Karl Seeger	Chris's answer +2
2	10	22	Tim	@Karl, that was my take too, I can't imagine there wasn't a protest though. Thought I would ask..
2	10	26	Pete	Roger that

2	10	32	Peter Carroll	To brake check him, you are also slowing yourself. If he has more power it works against you...
2	11	53	Peter Carroll	There have been quite a few...
2	12	14	Pete	We like nuggets!
2	12	22	Jeff	What is your thoughts when facilitate being passed on using a point to give the driver behind the confidence to pass efficiently?
2	12	44	Greg	I've seen F1 drivers occasionally intentionally slow down on the apex of a slower corner to defend against the over/under
2	14	16	Chris	Cool Ross, thank you
2	19	50	Karl Seeger	...looks like I'm resetting my mirrors (Sports Racer)
2	22	19	Pete	Sweet sports racer at that Karl.
2	22	34	Karl Seeger	..I try...
2	23	1	Karl Seeger	Someday I got to put YOU in ti
2	23	29	Pete	Oh yeah! I would love that!
2	23	34	Peter Carroll	MONEY MONEY MONEY
2	28	11	Stephen	Thank you Ross, and Robin!!!
2	30	52	Shaad	Thanks a bunch dude. I went from no idea and thinking that I should always let off to 2 theories. Much appreciated.
2	31	18	Chris	fair enough. Thank you
2	32	24	Larry	LOL!
2	32	41	Chris	slip the clutch some
2	34	16	Larry	Thanks Chris
2	34	41	David	Addressing the standing start question, go practice at a drag raceway. The printout will state reaction time and speed versus distance
2	35	3	Larry	Good idea. Thanks David.
2	35	7	Matt	thanks Robin !!
2	35	11	Pete	There's the wave!
2	35	18	Karl Seeger	Thanks, good info!
2	35	18	edgar ramon	Thank you everyone
2	35	26	Larry	Great job Ross.
2	35	28	Mary Zeitner	Thanks, Ross and Robin!
2	35	29	Cherie	Thanks Ross and Robin! Good info as always...
2	35	29	Hank	Thanks Ross and Robin!